

1. Battery cabinet instruction:

The battery cabinet dimension for HPM3300-200KVA is 1097mm*600mm*2000mm (W*D*H) . It includes built-in connection cables and breaker. One cabinet can hold up to 36pcs of 120AH/12V batteries, 6 layers, 6pcs for each layer. 36pcs are connected in series, including 2 sets of 18pcs and BAT+, BATN, BAT-. The cabinet is grounding. The appearance is shown as Fig.1.

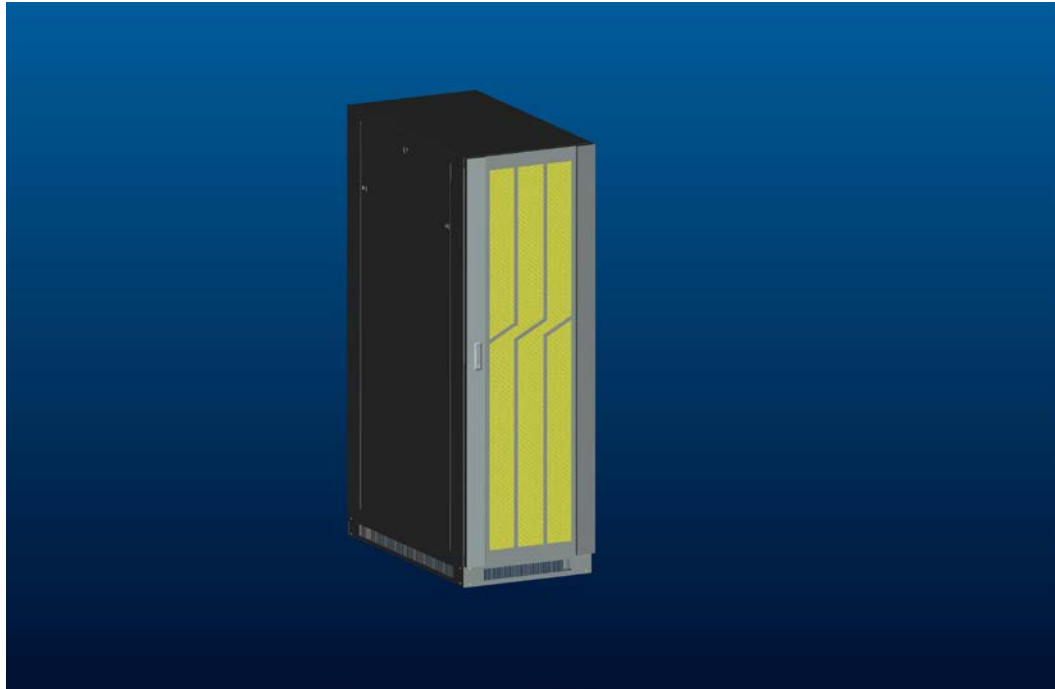


Figure 1

2. Battery cabinet installation steps are as following:

2.1 Place the battery cabinet well, then remove the right/left and rear panel, shown in Fig.2.

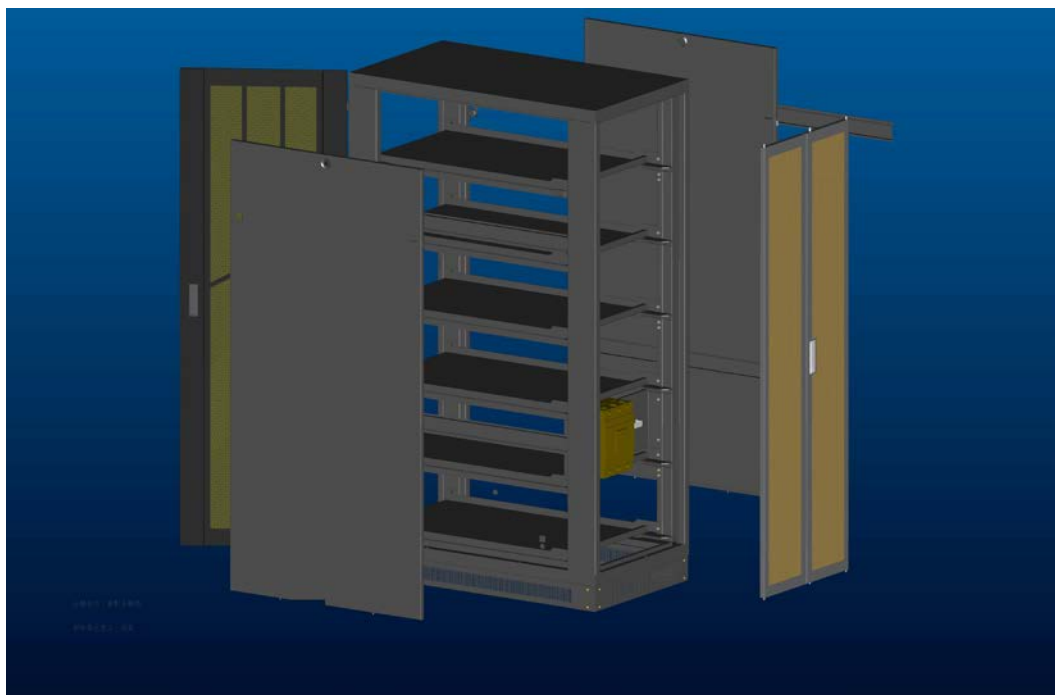


Fig.2

2.2 Remove the battery bases and top covers of the 2nd, 3rd, 4th, 5th, 6th layer respectively , Put the batteries on the first base according to the wiring diagram, then do the connection and lock the cables of the battery pole tightly as the Fig.3 shows; the connection is shown as Fig.4.

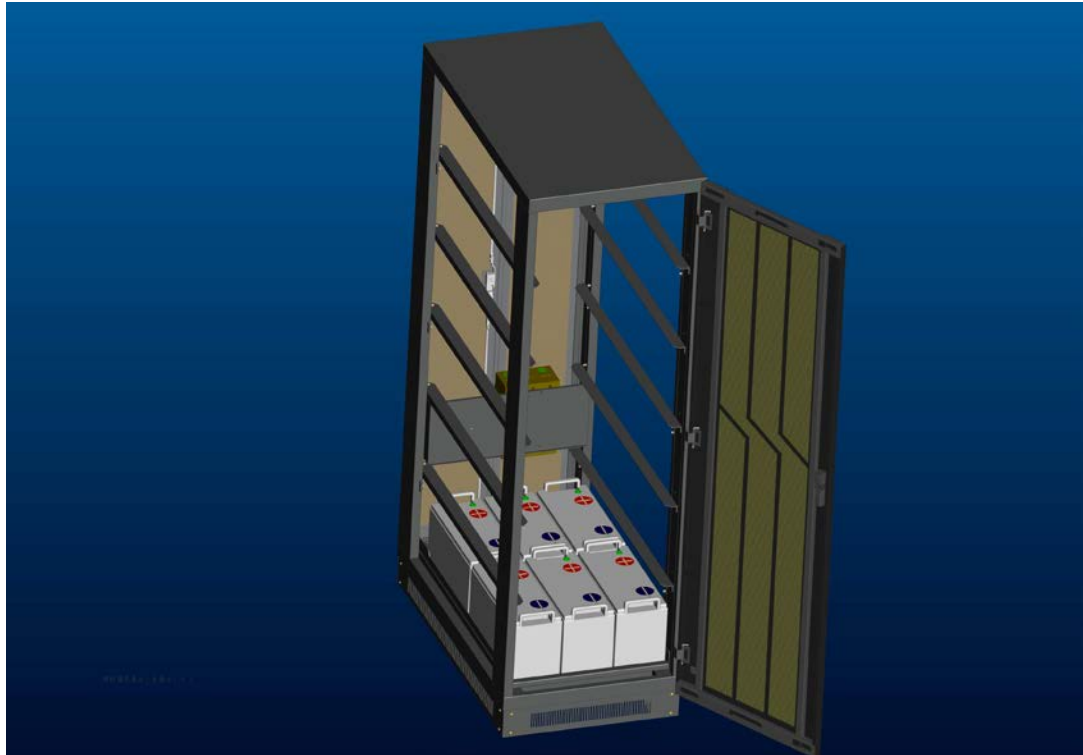


Figure 3

2.3 Connection for each layer:

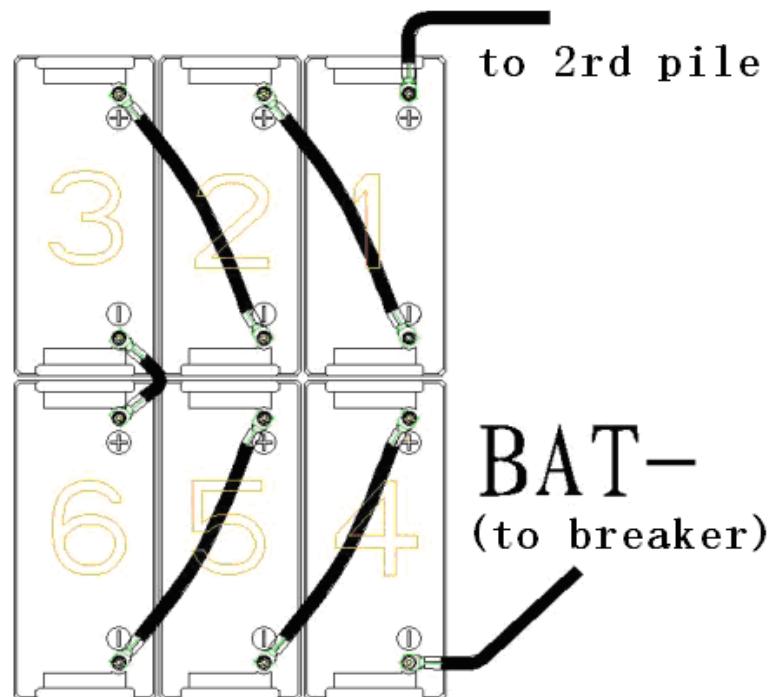


Figure 4

2.4 Then, install the battery bases of the 2nd, 3rd, 4th, 5th and 6th one by one in the cabinet and put the batteries (The battery direction is the same with the first layer). Finally, check that the battery connection of all the 6 layers is completed according to the Fig.6. As the Fig.5 shows:

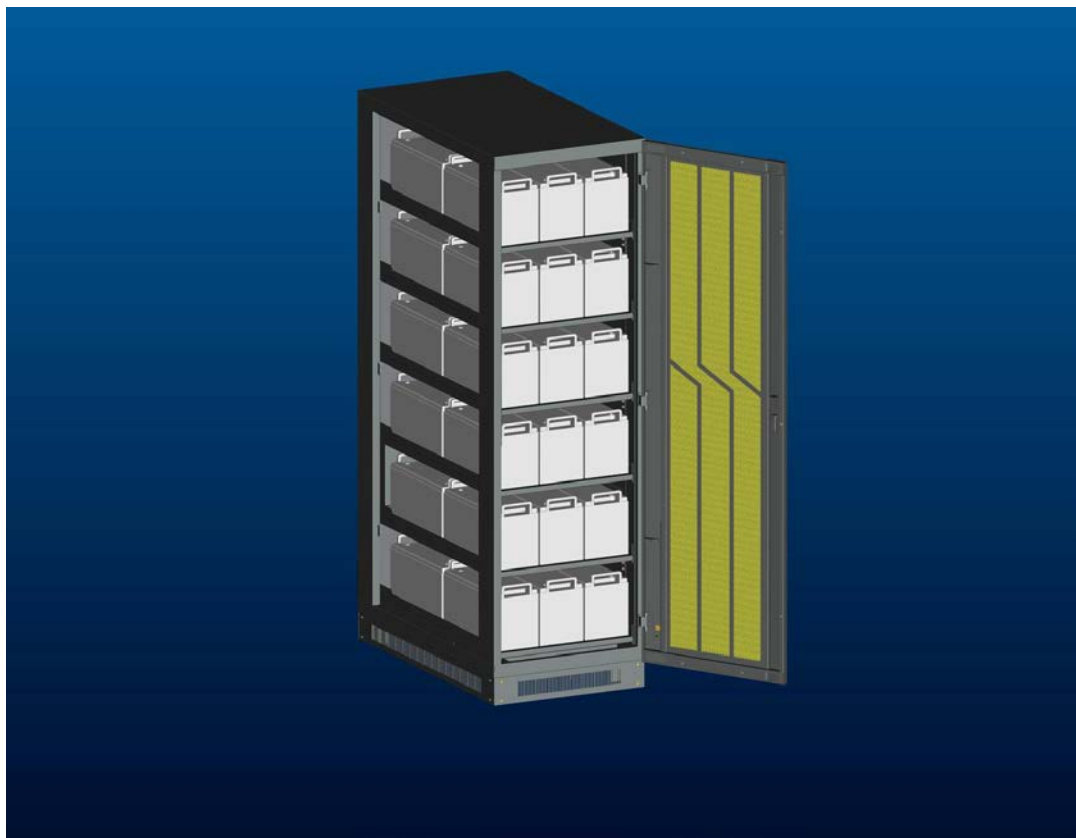


Figure 5

2.5 After finishing the battery connection, a cable from the BAT+ of the 6th layer goes to the **breaker “+”(BAT+)**, another cable from BAT+ of the 3rd layer(the 18th bat+) goes to the **breaker “N”(BATN)**, the last cable from BAT- of the 1st layer goes to the **breaker “-” (BAT-)**. Shown in Fig.6.

2.6 When battery installation is completed, check that the wiring and battery voltage are both correct, then install the panels on both side and top cover. Now, the battery cabinet is completed installed.

Note: the positive (+)and negative(-) cannot be reversed when connecting batteries and cannot be touched by cables , otherwise it will cause the battery damaged or the other incidents; don't touch the positive(+)and negative(-) when connected and should be connected by one person;the specifications of the external grounding cables for users is at least 50mm².

3. Overall wiring diagram:

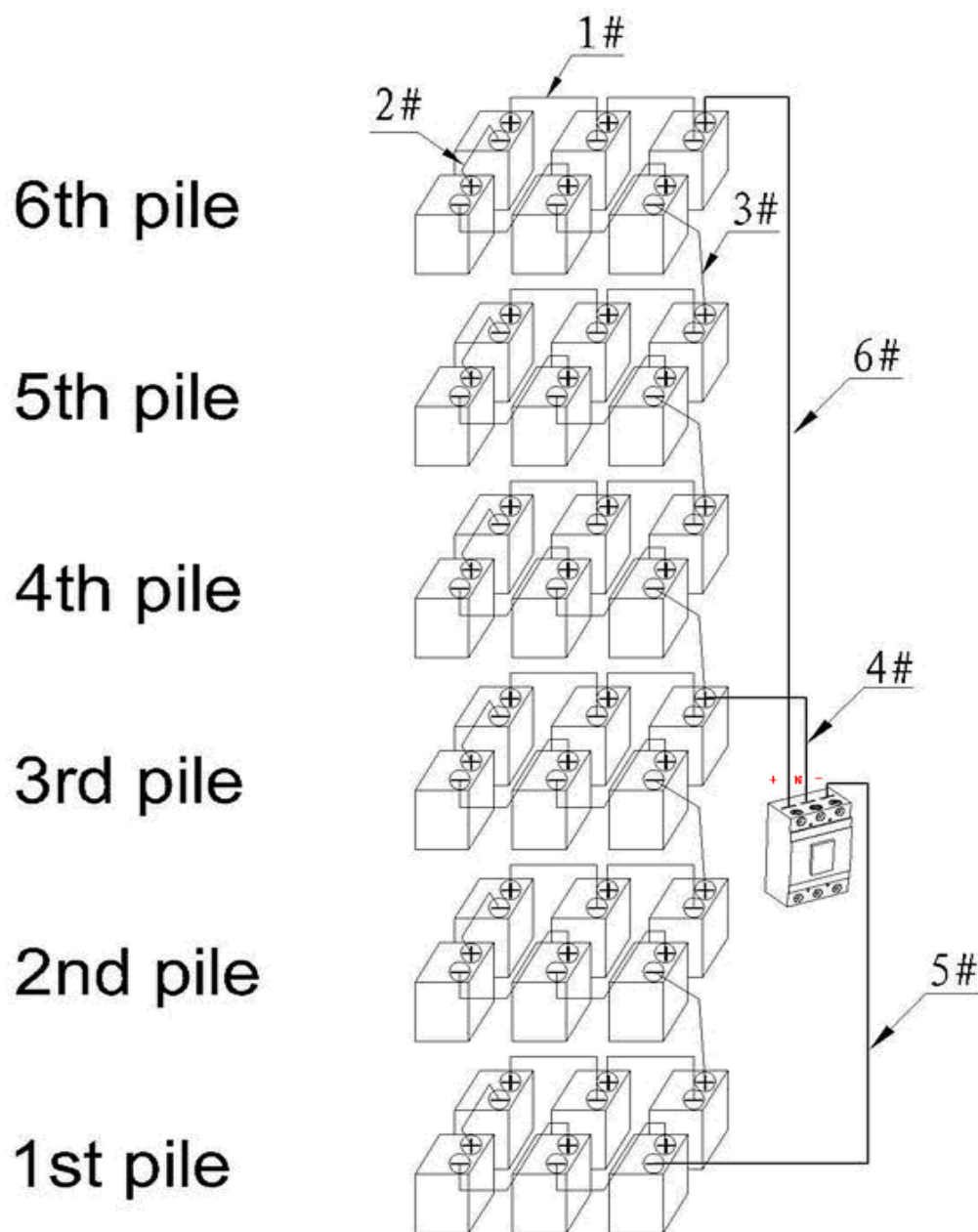


Figure 6

4. Accessories list

HPM3300-200K(Built-in 630A breaker) battery cabinet contains the following:

No.	Name	Specification	Pcs.	No.	Name	Specification	Pcs.
1	Cable 1#	400mm (black)	24	7	Breaker	NDM2Z 630A/250VDC	1
2	Cable 2#	200mm (black)	6	8	Cabinet	HMP3300-200K	1
3	Cable 3#	1250mm (black)	5				
4	Cable 4#	450mm (black)	1				
5	Cable 5#	1600mm (black)	1				
6	Cable 6#	1300mm (black)	1				